



# CALIFORNIA AGRICULTURAL EMPLOYMENT AND EARNINGS BULLETIN

April 1991

## JANUARY 1991

This bulletin covers 27 agricultural industries statewide, and from five to seventeen industries in each of six regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details). The data are organized into seven sets of tables by state and region: Wage and Salary Workers (Table A), Agricultural Production Workers (Table B), Average Weekly Earnings of Production Workers (Table C), Average Hours Worked by Production Workers (Table D), and Average Hourly Earnings of Production Workers (Table E).

Total employment of 282,300 in agriculture for January 1991 (Table 1-A) was nine percent below the December 1990 level, but was six percent above the year-ago total. Regions with the largest employment declines, from December 1990, were the San Joaquin Valley followed by the Central Coast and Desert Regions. The month-over decline was concentrated in the following industries and regions: employment by Farm Labor Contractors in the Desert and San Joaquin Valley, and employment in Vegetables and Melons in the Central Coast. These declines were partially offset by increased employment in Grapes in the San Joaquin Valley.

### Wage and Salary Workers in Agricultural Establishments

For January 1991

(In Thousands)

Industry	State- wide	San Joaquin	South Coast	Central Coast	Desert	Sacra- mento	North Coast
Total Agricultural	282.3	125.4	50.5	31.8	43.7	20.7	10.6
Total Crops	149.3	63.4	32.2	18.3	13.5	14.7	7.6
Total Livestock	26.6	13.4	2.7	1.2	5.9	1.8	1.9
Total Services	106.4	48.6	15.6	12.3	24.3	4.2	1.1

Source: Tables 1-A through 7-A, January 1991.

### Regional Crop Activities.

Agricultural industries and regions that accounted for most of the year-over increase in employment from January 1990, were: Farm Labor Contractors in the San Joaquin Valley, South Coast and Desert. (Tables 2-A through 7-A).

According to the California Farm Labor Report (881A), the major regional crop activities during January were:

- Desert : Grapes (prune and tie), lettuce (preharvest and harvest), broccoli (harvest), cauliflower (harvest).
- South Coast: Horticulture (harvest), avocados (harvest), Vegetables (plant, cultivate and harvest).
- Central Coast: Horticulture (plant, cultivate and harvest), Vegetables (preharvest and harvest).
- North Coast: Grapes (prune).
- San Joaquin Valley: Orchards (prune), Grapes (prune and tie), Vegetables (plant, cultivate and harvest).
- Sacramento Valley: Orchards (prune).

### **Agricultural Production Workers.**

Statewide agricultural production worker employment in January (Table 1-B) was 7.8 percent below the December level, and totaled 248,600.

Average weekly earnings for agricultural production workers were \$241.30 statewide (Table 1-C) and ranged from \$217.30 in the Desert Region (Table 5-C) to \$313.38 in the North Coast Region (Table 7-C). Statewide, the highest earnings were in Soil Preparation Services and the lowest were in Berries.

Statewide, the average hours worked by agricultural production workers (Table 1-D) were 38.0 , with a low of 33.9 hours in the Desert Region (Table 5-D) and a high of 44.2 hours in the North Coast Region (Table 7-D).

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## **Average Hourly Earnings of Production Workers**

For January 1991

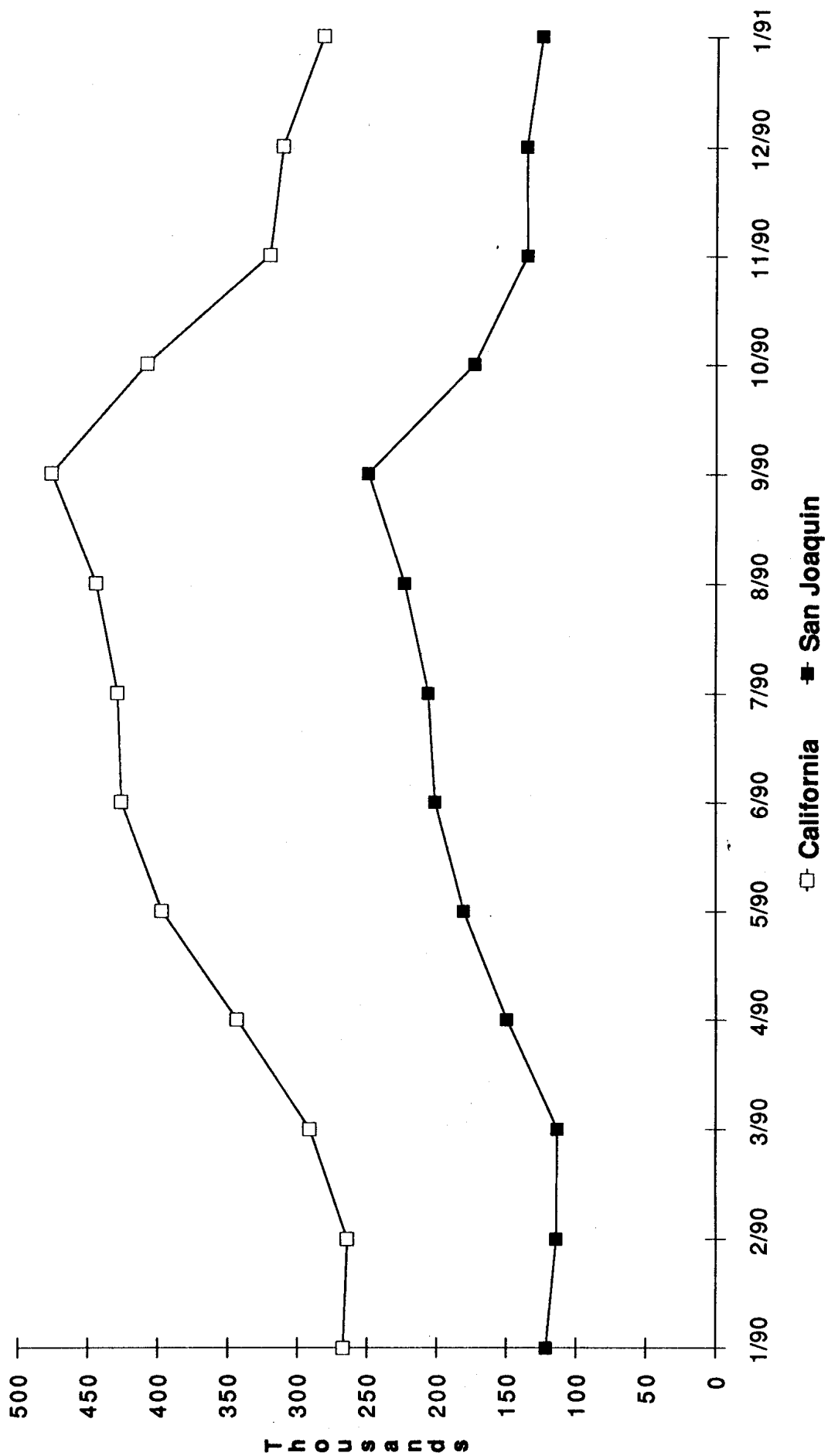
(In Dollars per Hour)

Industry	State- wide	San Joaquin	South Coast	Central Coast	Desert	Sacra- mento	North Coast
Total Agricultural	6.35	6.04	6.49	7.24	6.41	6.26	7.09
Total Crops	6.23	5.97	6.41	7.00	5.86	6.14	7.04
Total Livestock	7.24	7.10	6.35	7.50	8.33	7.49	6.58
Total Services	6.25	5.75	6.71	7.65	6.11	6.02	7.95

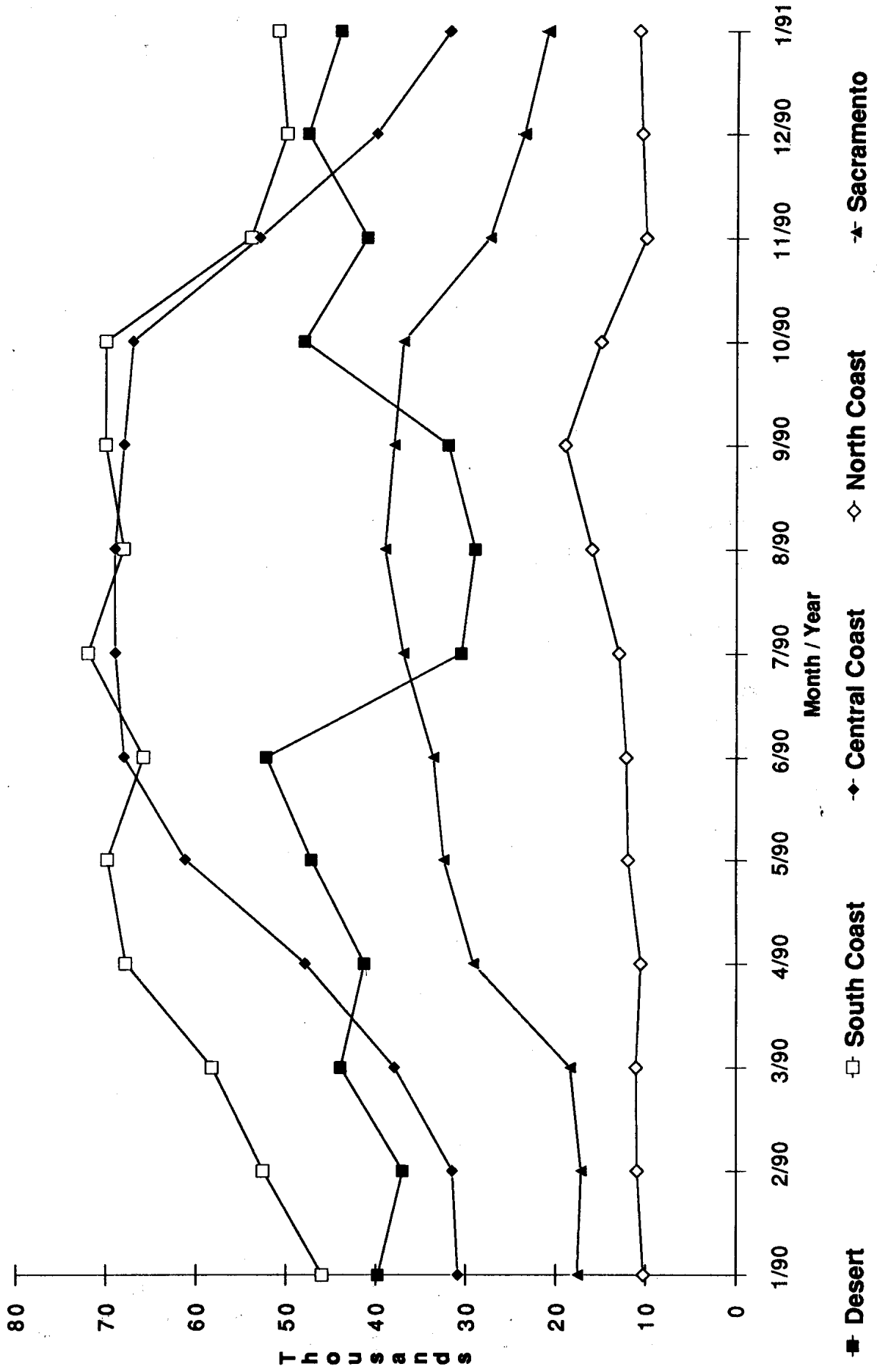
Source: Tables 1-E through 7-E, January 1991.

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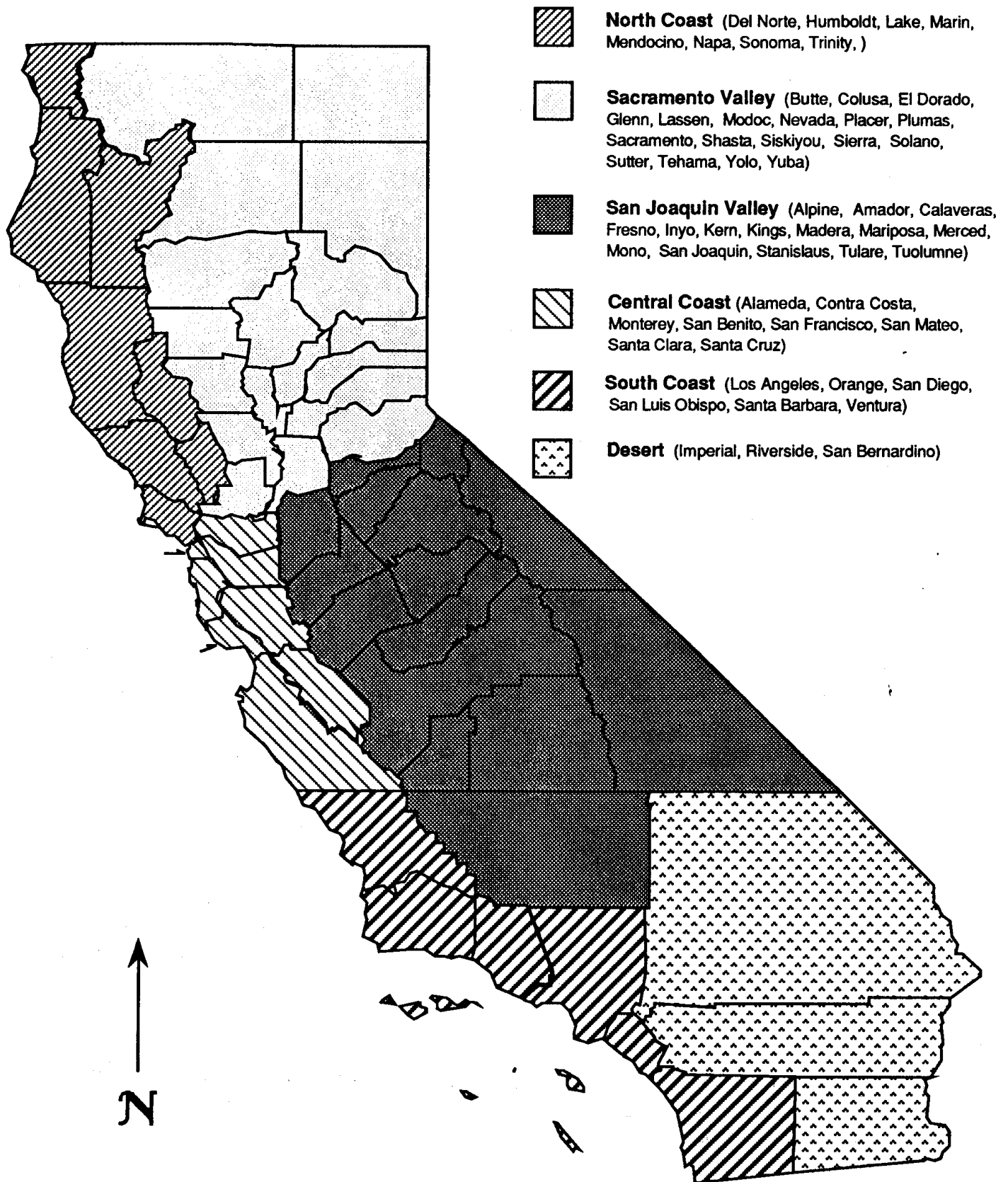
**TOTAL WAGE & SALARY EMPLOYMENT**  
**California and San Joaquin Region**



# **TOTAL WAGE & SALARY EMPLOYMENT** **All Regions except San Joaquin**



**CES-AG REPORTING REGIONS**  
**LABOR MARKET INFORMATION DIVISION**  
**EMPLOYMENT DEVELOPMENT DEPARTMENT**



## **DATA SOURCES:**

The data obtained from two sources: the Employment Development Department (EDD) Unemployment Insurance (UI) files, and a monthly survey of 4,000 agricultural employers. This sample, about 12% of the employers, was selected to be statistically representative of the state's agricultural employers by size, geographic location and industry categories.

Sample data are gathered for the week that includes the 12th calendar day of the month; thus all data in these bulletins represent activities taking place during this mid-month period. Since the full employer sample was not complete prior to October 1990, the data for production workers employment, earnings and hours are not yet available for year-over comparison.

## **DATA COMMENTS:**

**ESTIMATES FOR THE STATE AND SIX REGIONS ARE INDEPENDENTLY DERIVED. THEREFORE, THE SUM OF THE REGIONAL ESTIMATES WILL NOT NECESSARILY EQUAL THE STATEWIDE TOTAL.**

To aid in accurate usage and interpretation of the data, please note the following:

- Employment data do not include employers or unpaid family workers.
- Wage and salary workers are all employees receiving compensation from the employer.
- Production workers are employees engaged in commodity production and exclude managers, supervisors, office, sales and other staff not involved in production.
- Average hours and earnings are based on full-time and part-time production worker data.
- Average weekly earnings include overtime pay and premium wages. These are gross earnings before deductions and exclude the value of housing and meals.
- It is important to note that average hourly earnings are not hourly wage rates; they are gross earnings of production workers divided by total hours for production workers.
- Figures for the current month are preliminary and subject to revision.
- Total agricultural employment estimates in this bulletin are derived from a new monthly sampling project: the Current Employment Statistics for Agriculture. Therefore estimates in this bulletin will differ from other agricultural estimates published by this department because of differences in the number of agricultural industries covered, and in the definition of workers.

If you wish to receive future issues of this publication, please send your name and address to: **Special Projects Unit, Employment Development Department, P.O. Box 826216, Sacramento, CA 94299-9994** or call (916) 427-4961 and request placement on the mailing list. ATSS 8-466-4961.

TABLE 1-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS  
CALIFORNIA  
(IN THOUSANDS)

INDUSTRY	JAN 1991	DEC 1990	JAN 1990
TOTAL AGRICULTURAL	282.3	311.2	266.8
TOTAL FIELD CROPS	149.3	160.1	147.5
TOTAL CASH GRAIN	2.2	2.5	2.0
RICE	1.1	1.4	1.0
OTHER CASH GRAIN	1.1	1.1	1.0
FIELD CROPS EXCEPT CASH GRAIN	8.1	9.7	8.2
COTTON	4.6	5.4	4.7
OTHER FIELD CROPS	3.5	4.3	3.5
VEGETABLES AND MELONS	17.7	21.9	20.0
TOTAL FRUIT AND TREE NUTS	65.2	63.8	63.7
BERRIES	4.6	5.9	5.1
GRAPES	30.3	23.3	29.5
TREE NUTS	5.5	7.3	5.1
CITRUS FRUITS	5.0	5.7	5.7
DECIDUOUS TREE FRUIT	10.5	11.9	9.8
OTHER FRUITS AND NUTS	9.3	9.7	8.5
TOTAL HORTICULTURAL SPECIALTIES	33.1	35.3	31.7
ORNAMENTAL FLORAL & NURS PRD	30.0	32.1	28.4
FOOD CROPS GROWN UNDR COVER	3.1	3.2	3.3
GENERAL FARM PRIMARILY CROP	23.0	26.9	21.9
TOTAL AGRIC. PROD. LIVESTOCK	26.6	27.7	26.1
BEEF CATTLE FEED LOTS	0.9	0.9	0.8
BEEF CATTLE EXCEPT FEED LOTS	3.6	4.0	3.7
DAIRY FARMS	12.3	12.8	12.0
CHICKEN EGGS	3.6	3.4	3.5
TURKEYS & TURKEY EGGS	1.3	1.3	1.3
OTHER LIVESTOCK	4.9	5.3	4.8
TOTAL AGRICULTURAL SERVICES	106.4	123.4	93.2
SOIL PREPARATION SERVICES	0.9	1.0	0.8
CROP SERVICES	37.7	41.7	35.6
CROP PLANT-CULT-PROTECTION	4.1	4.7	4.0
CROP HARVEST PRIM. MACHINE	6.4	6.7	5.2
CROP PREP. SERV. FOR MARKET	26.3	28.8	25.4
COTTON GINNING	0.9	1.5	1.0
TOTAL FARM LABOR & MANAGEMENT	67.8	80.7	56.8
FARM LABOR CONTRACTORS	61.6	75.0	49.9
FARM MANAGEMENT SERVICES	6.2	5.7	6.9

TABLE 1-B  
AGRICULTURAL PRODUCTION WORKERS  
CALIFORNIA  
(IN THOUSANDS)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	248.6	269.7
TOTAL FIELD CROPS	129.1	136.1
TOTAL CASH GRAIN	1.7	2.0
RICE	0.8	1.0
OTHER CASH GRAIN	0.9	1.0
FIELD CROPS EXCEPT CASH GRAIN	7.0	8.6
COTTON	4.1	4.9
OTHER FIELD CROPS	2.9	3.7
VEGETABLES AND MELONS	15.9	19.5
TOTAL FRUIT AND TREE NUTS	59.4	55.7
BERRIES	4.2	5.6
GRAPES	27.7	20.0
TREE NUTS	4.8	6.2
CITRUS FRUITS	4.7	5.1
DECIDUOUS TREE FRUIT	9.3	10.1
OTHER FRUITS AND NUTS	8.7	8.7
TOTAL HORTICULTURAL SPECIALTIES	25.9	27.8
ORNAMENTAL FLORAL & NURS PRD	23.6	25.4
FOOD CROPS GROWN UNDR COVER	2.3	2.4
GENERAL FARM PRIMARILY CROP	19.2	22.5
TOTAL AGRIC. PROD. LIVESTOCK	22.1	23.4
BEEF CATTLE FEED LOTS	0.7	0.7
BEEF CATTLE EXCEPT FEED LOTS	2.8	3.2
DAIRY FARMS	11.6	12.1
CHICKEN EGGS	2.4	2.4
TURKEYS & TURKEY EGGS	0.8	0.8
OTHER LIVESTOCK	3.8	4.2
TOTAL AGRICULTURAL SERVICES	97.4	110.2
SOIL PREPARATION SERVICES	0.6	0.8
CROP SERVICES	31.4	31.8
CROP PLANT-CULT-PROTECTION	3.1	3.7
CROP HARVEST PRIM. MACHINE	5.9	5.7
CROP PREP. SERV. FOR MARKET	21.8	21.3
COTTON GINNING	0.6	1.1
TOTAL FARM LABOR & MANAGEMENT	65.4	77.6
FARM LABOR CONTRACTORS	60.2	73.1
FARM MANAGEMENT SERVICES	5.2	4.5



TABLE 1-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS  
CALIFORNIA  
(IN DOLLARS PER WEEK)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	241.30	252.70
TOTAL FIELD CROPS	246.71	261.02
TOTAL CASH GRAIN	322.14	312.35
RICE	341.50	315.86
OTHER CASH GRAIN	304.88	309.42
FIELD CROPS EXCEPT CASH GRAIN	293.46	329.21
COTTON	299.48	348.08
OTHER FIELD CROPS	284.58	304.58
VEGETABLES AND MELONS	250.43	302.33
TOTAL FRUIT AND TREE NUTS	232.02	229.08
BERRIES	193.23	199.64
GRAPES	237.20	228.61
TREE NUTS	235.76	244.86
CITRUS FRUITS	234.13	257.56
DECIDUOUS TREE FRUIT	232.40	216.68
OTHER FRUITS AND NUTS	229.59	234.50
TOTAL HORTICULTURAL SPECIALTIES	267.56	275.83
ORNAMENTAL FLORAL & NURS PRD	262.26	272.21
FOOD CROPS GROWN UNDR COVER	324.48	317.15
GENERAL FARM PRIMARILY CROP	237.74	254.18
TOTAL AGRIC. PROD. LIVESTOCK	335.21	351.13
BEEF CATTLE FEED LOTS	339.85	369.80
BEEF CATTLE EXCEPT FEED LOTS	328.68	316.10
DAIRY FARMS	353.08	383.24
CHICKEN EGGS	287.36	271.28
TURKEYS & TURKEY EGGS	339.66	330.50
OTHER LIVESTOCK	314.06	335.66
TOTAL AGRICULTURAL SERVICES	212.50	221.68
SOIL PREPARATION SERVICES	473.11	547.32
CROP SERVICES	236.80	247.09
CROP PLANT-CULT-PROTECTION	251.62	249.55
CROP HARVEST PRIM. MACHINE	224.11	244.93
CROP PREP. SERV. FOR MARKET	236.16	243.76
COTTON GINNING	300.27	317.18
TOTAL FARM LABOR & MANAGEMENT	198.53	208.27
FARM LABOR CONTRACTORS	193.52	204.13
FARM MANAGEMENT SERVICES	258.12	275.20

TABLE 1-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS  
CALIFORNIA  
(IN HOURS PER WEEK)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	38.0	39.3
TOTAL FIELD CROPS	39.6	41.3
TOTAL CASH GRAIN	45.5	45.4
RICE	45.9	44.3
OTHER CASH GRAIN	45.1	46.6
FIELD CROPS EXCEPT CASH GRAIN	43.8	48.7
COTTON	42.3	50.3
OTHER FIELD CROPS	45.9	46.5
VEGETABLES AND MELONS	39.5	43.5
TOTAL FRUIT AND TREE NUTS	38.8	38.5
BERRIES	33.9	32.2
GRAPES	40.0	37.6
TREE NUTS	40.3	42.0
CITRUS FRUITS	33.4	34.9
DECIDUOUS TREE FRUIT	41.5	40.5
OTHER FRUITS AND NUTS	36.5	41.8
TOTAL HORTICULTURAL SPECIALTIES	41.1	42.5
ORNAMENTAL FLORAL & NURS PRD	41.3	42.8
FOOD CROPS GROWN UNDR COVER	39.0	39.3
GENERAL FARM PRIMARILY CROP	38.1	41.6
TOTAL AGRIC. PROD. LIVESTOCK	46.3	48.7
BEEF CATTLE FEED LOTS	50.2	56.2
BEEF CATTLE EXCEPT FEED LOTS	41.5	43.6
DAIRY FARMS	48.5	52.0
CHICKEN EGGS	44.9	44.4
TURKEYS & TURKEY EGGS	56.8	56.4
OTHER LIVESTOCK	41.0	43.2
TOTAL AGRICULTURAL SERVICES	34.0	34.8
SOIL PREPARATION SERVICES	50.6	58.6
CROP SERVICES	36.6	37.1
CROP PLANT-CULT-PROTECTION	39.5	41.8
CROP HARVEST PRIM. MACHINE	33.7	34.4
CROP PREP. SERV. FOR MARKET	36.9	36.6
COTTON GINNING	37.3	44.8
TOTAL FARM LABOR & MANAGEMENT	32.6	33.7
FARM LABOR CONTRACTORS	32.2	33.3
FARM MANAGEMENT SERVICES	37.3	40.0

TABLE 1-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS  
CALIFORNIA  
(IN DOLLARS PER HOUR)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	6.35	6.43
TOTAL FIELD CROPS	6.23	6.32
TOTAL CASH GRAIN	7.08	6.88
RICE	7.44	7.13
OTHER CASH GRAIN	6.76	6.64
FIELD CROPS EXCEPT CASH GRAIN	6.70	6.76
COTTON	7.08	6.92
OTHER FIELD CROPS	6.20	6.55
VEGETABLES AND MELONS	6.34	6.95
TOTAL FRUIT AND TREE NUTS	5.98	5.95
BERRIES	5.70	6.20
GRAPES	5.93	6.08
TREE NUTS	5.85	5.83
CITRUS FRUITS	7.01	7.38
DECIDUOUS TREE FRUIT	5.60	5.35
OTHER FRUITS AND NUTS	6.29	5.61
TOTAL HORTICULTURAL SPECIALTIES	6.51	6.49
ORNAMENTAL FLORAL & NURS PRD	6.35	6.36
FOOD CROPS GROWN UNDR COVER	8.32	8.07
GENERAL FARM PRIMARILY CROP	6.24	6.11
TOTAL AGRIC. PROD. LIVESTOCK	7.24	7.21
BEEF CATTLE FEED LOTS	6.77	6.58
BEEF CATTLE EXCEPT FEED LOTS	7.92	7.25
DAIRY FARMS	7.28	7.37
CHICKEN EGGS	6.40	6.11
TURKEYS & TURKEY EGGS	5.98	5.86
OTHER LIVESTOCK	7.66	7.77
TOTAL AGRICULTURAL SERVICES	6.25	6.37
SOIL PREPARATION SERVICES	9.35	9.34
CROP SERVICES	6.47	6.66
CROP PLANT-CULT-PROTECTION	6.37	5.97
CROP HARVEST PRIM. MACHINE	6.65	7.12
CROP PREP. SERV. FOR MARKET	6.40	6.66
COTTON GINNING	8.05	7.08
TOTAL FARM LABOR & MANAGEMENT	6.09	6.18
FARM LABOR CONTRACTORS	6.01	6.13
FARM MANAGEMENT SERVICES	6.92	6.88

TABLE 2-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS  
SAN JOAQUIN VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	JAN 1991	DEC 1990	JAN 1990
TOTAL AGRICULTURAL	125.4	135.9	121.7
TOTAL AGRIC. PROD. CROPS	63.4	65.2	61.6
TOTAL FIELD CROPS	6.2	7.6	6.4
COTTON	4.2	4.8	4.4
OTHER FIELD CROPS	2.0	2.8	2.0
VEGETABLES AND MELONS	3.6	3.8	2.7
TOTAL FRUIT AND TREE NUTS	35.8	33.7	36.4
GRAPES	19.0	14.8	20.3
TREE NUTS	3.4	4.5	3.2
CITRUS FRUITS	2.1	3.0	2.8
DECIDUOUS TREE FRUIT	5.8	6.5	5.5
OTHER FRUITS AND NUTS	5.5	4.9	4.6
HORTICULTURAL SPECIALTIES	4.5	4.9	3.7
GENERAL FARM PRIMARILY CROP	13.3	15.2	12.4
TOTAL AGRIC. PROD. LIVESTOCK	13.4	13.9	13.1
BEEF CATTLE FEED LOTS	0.4	0.4	0.3
BEEF CATTLE EXCEPT FEED LOTS	1.3	1.5	1.4
DAIRY FARMS	7.7	7.8	7.4
POULTRY & EGGS	3.0	3.0	2.9
OTHER LIVESTOCK	1.0	1.2	1.1
TOTAL AGRICULTURAL SERVICES	48.6	56.8	47.0
CROP SERVICES	13.9	18.9	17.0
CROP PLANT-CULT-PROTECTION	2.5	2.4	2.7
CROP HARVEST PRIM. MACHINE	1.5	2.2	1.7
CROP PREP. SERV. FOR MARKET	9.1	12.9	11.7
COTTON GINNING	0.8	1.4	0.9
TOTAL FARM LABOR & MANAGEMENT	34.7	37.9	30.0
FARM LABOR CONTRACTORS	32.5	35.7	26.6
FARM MANAGEMENT SERVICES	2.2	2.2	3.4

TABLE 2-B  
AGRICULTURAL PRODUCTION WORKERS  
SAN JOAQUIN VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	111.5	116.8
TOTAL AGRIC. PROD. CROPS	55.2	55.0
TOTAL FIELD CROPS	5.2	6.5
COTTON	3.7	4.3
OTHER FIELD CROPS	1.5	2.2
VEGETABLES AND MELONS	3.3	3.4
TOTAL FRUIT AND TREE NUTS	33.0	29.7
GRAPES	17.8	13.1
TREE NUTS	2.9	3.7
CITRUS FRUITS	1.9	2.8
DECIDUOUS TREE FRUIT	5.2	5.6
OTHER FRUITS AND NUTS	5.2	4.5
HORTICULTURAL SPECIALTIES	3.1	3.5
GENERAL FARM PRIMARILY CROP	10.6	11.9
TOTAL AGRIC. PROD. LIVESTOCK	12.0	12.3
BEEF CATTLE FEED LOTS	0.3	0.3
BEEF CATTLE EXCEPT FEED LOTS	1.1	1.3
DAIRY FARMS	7.2	7.4
POULTRY & EGGS	2.5	2.2
OTHER LIVESTOCK	0.9	1.1
TOTAL AGRICULTURAL SERVICES	44.3	49.5
CROP SERVICES	10.5	12.9
CROP PLANT-CULT-PROTECTION	1.8	1.5
CROP HARVEST PRIM. MACHINE	1.3	1.3
CROP PREP. SERV. FOR MARKET	6.9	9.1
COTTON GINNING	0.5	1.0
TOTAL FARM LABOR & MANAGEMENT	33.8	36.6
FARM LABOR CONTRACTORS	31.9	34.8
FARM MANAGEMENT SERVICES	1.9	1.8

TABLE 2-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS  
SAN JOAQUIN VALLEY REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	239.79	247.44
TOTAL AGRIC. PROD. CROPS	236.41	247.83
TOTAL FIELD CROPS	310.80	331.74
COTTON	301.73	347.50
OTHER FIELD CROPS	331.33	301.21
VEGETABLES AND MELONS	188.82	248.05
TOTAL FRUIT AND TREE NUTS	226.78	227.30
GRAPES	236.80	222.90
TREE NUTS	237.37	250.98
CITRUS FRUITS	164.96	234.22
DECIDUOUS TREE FRUIT	243.62	213.50
OTHER FRUITS AND NUTS	192.60	234.04
HORTICULTURAL SPECIALTIES	283.62	262.76
GENERAL FARM PRIMARILY CROP	228.69	248.67
TOTAL AGRIC. PROD. LIVESTOCK	347.90	345.31
BEEF CATTLE FEED LOTS	321.44	375.96
BEEF CATTLE EXCEPT FEED LOTS	368.46	334.07
DAIRY FARMS	342.72	370.65
POULTRY & EGGS	318.71	279.91
OTHER LIVESTOCK	336.11	310.53
TOTAL AGRICULTURAL SERVICES	213.90	223.34
CROP SERVICES	244.99	265.27
CROP PLANT-CULT-PROTECTION	288.38	294.81
CROP HARVEST PRIM. MACHINE	345.83	320.03
CROP PREP. SERV. FOR MARKET	209.99	246.09
COTTON GINNING	309.64	326.14
TOTAL FARM LABOR & MANAGEMENT	204.57	208.13
FARM LABOR CONTRACTORS	199.25	204.03
FARM MANAGEMENT SERVICES	291.94	291.49

TABLE 2-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS  
SAN JOAQUIN VALLEY REGION  
(IN HOURS PER WEEK)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	39.7	40.3
TOTAL AGRIC. PROD. CROPS	39.6	41.1
TOTAL FIELD CROPS	44.4	48.5
COTTON	42.2	50.0
OTHER FIELD CROPS	49.6	45.5
VEGETABLES AND MELONS	38.3	41.0
TOTAL FRUIT AND TREE NUTS	39.1	39.6
GRAPES	40.0	37.4
TREE NUTS	39.3	41.9
CITRUS FRUITS	23.6	30.9
DECIDUOUS TREE FRUIT	44.7	42.7
OTHER FRUITS AND NUTS	35.8	45.8
HORTICULTURAL SPECIALTIES	43.5	40.3
GENERAL FARM PRIMARILY CROP	37.8	40.9
TOTAL AGRIC. PROD. LIVESTOCK	49.0	49.9
BEEF CATTLE FEED LOTS	49.3	59.3
BEEF CATTLE EXCEPT FEED LOTS	46.7	45.7
DAIRY FARMS	49.1	52.5
POULTRY & EGGS	43.9	43.6
OTHER LIVESTOCK	49.5	47.7
TOTAL AGRICULTURAL SERVICES	37.2	37.1
CROP SERVICES	39.9	41.0
CROP PLANT-CULT-PROTECTION	45.2	44.2
CROP HARVEST PRIM. MACHINE	48.3	43.9
CROP PREP. SERV. FOR MARKET	37.1	39.5
COTTON GINNING	37.9	46.0
TOTAL FARM LABOR & MANAGEMENT	36.4	35.7
FARM LABOR CONTRACTORS	35.9	35.3
FARM MANAGEMENT SERVICES	44.3	44.3

TABLE 2-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS  
SAN JOAQUIN VALLEY REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	6.04	6.14
TOTAL AGRIC. PROD. CROPS	5.97	6.03
TOTAL FIELD CROPS	7.00	6.84
COTTON	7.15	6.95
OTHER FIELD CROPS	6.68	6.62
VEGETABLES AND MELONS	4.93	6.05
TOTAL FRUIT AND TREE NUTS	5.80	5.74
GRAPES	5.92	5.96
TREE NUTS	6.04	5.99
CITRUS FRUITS	6.99	7.58
DECIDUOUS TREE FRUIT	5.45	5.00
OTHER FRUITS AND NUTS	5.38	5.11
HORTICULTURAL SPECIALTIES	6.52	6.52
GENERAL FARM PRIMARILY CROP	6.05	6.08
TOTAL AGRIC. PROD. LIVESTOCK	7.10	6.92
BEEF CATTLE FEED LOTS	6.52	6.34
BEEF CATTLE EXCEPT FEED LOTS	7.89	7.31
DAIRY FARMS	6.98	7.06
POULTRY & EGGS	7.26	6.42
OTHER LIVESTOCK	6.79	6.51
TOTAL AGRICULTURAL SERVICES	5.75	6.02
CROP SERVICES	6.14	6.47
CROP PLANT-CULT-PROTECTION	6.38	6.67
CROP HARVEST PRIM. MACHINE	7.16	7.29
CROP PREP. SERV. FOR MARKET	5.66	6.23
COTTON GINNING	8.17	7.09
TOTAL FARM LABOR & MANAGEMENT	5.62	5.83
FARM LABOR CONTRACTORS	5.55	5.78
FARM MANAGEMENT SERVICES	6.59	6.58



TABLE 3-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS  
SOUTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	JAN 1991	DEC 1990	JAN 1990
TOTAL AGRICULTURAL	50.5	50.1	46.4
TOTAL AGRIC. PROD. CROPS	32.2	33.7	33.4
VEGETABLES AND MELONS	7.2	8.0	8.0
TOTAL FRUIT AND TREE NUTS	8.0	7.8	8.4
BERRIES	3.0	3.2	3.8
GRAPES	1.2	0.9	0.9
CITRUS FRUITS	1.7	1.6	1.8
OTHER FRUITS AND NUTS	2.1	2.1	1.9
TOTAL HORTICULTURAL SPECIALTIES	14.6	15.3	14.6
ORNAMENTAL FLORAL & NURS PRD	13.8	14.5	13.8
FOOD CROPS GROWN UNDR COVER	0.8	0.8	0.8
GENERAL FARM PRIMARILY CROP	2.4	2.6	2.4
TOTAL AGRIC. PROD. LIVESTOCK	2.7	2.8	2.7
TOTAL AGRICULTURAL SERVICES	15.6	13.6	10.3
CROP SERVICES	3.9	3.8	3.6
CROP HARVEST PRIM. MACHINE	1.7	1.4	1.1
CROP PREP. SERV. FOR MARKET	2.2	2.4	2.5
TOTAL FARM LABOR & MANAGEMENT	11.7	9.8	6.7
FARM LABOR CONTRACTORS	10.7	8.9	5.7
FARM MANAGEMENT SERVICES	1.0	0.9	1.0

TABLE 3-B  
AGRICULTURAL PRODUCTION WORKERS  
SOUTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	42.3	41.4
TOTAL AGRIC. PROD. CROPS	26.3	27.7
VEGETABLES AND MELONS	5.5	6.1
TOTAL FRUIT AND TREE NUTS	7.2	7.0
BERRIES	2.8	3.0
GRAPES	1.0	0.8
CITRUS FRUITS	1.5	1.3
OTHER FRUITS AND NUTS	1.9	1.9
TOTAL HORTICULTURAL SPECIALTIES	11.4	12.1
ORNAMENTAL FLORAL & NURS PRD	11.0	11.7
FOOD CROPS GROWN UNDR COVER	0.4	0.4
GENERAL FARM PRIMARILY CROP	2.2	2.5
TOTAL AGRIC. PROD. LIVESTOCK	2.0	2.0
TOTAL AGRICULTURAL SERVICES	14.0	11.7
CROP SERVICES	3.2	2.9
CROP HARVEST PRIM. MACHINE	1.6	1.2
CROP PREP. SERV. FOR MARKET	1.6	1.7
TOTAL FARM LABOR & MANAGEMENT	10.8	8.8
FARM LABOR CONTRACTORS	10.1	8.3
FARM MANAGEMENT SERVICES	0.7	0.5

TABLE 3-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS  
SOUTH COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	251.16	261.85
TOTAL AGRIC. PROD. CROPS	258.32	274.98
VEGETABLES AND MELONS	274.06	293.53
TOTAL FRUIT AND TREE NUTS	230.05	243.59
BERRIES	192.54	213.49
GRAPES	306.04	255.19
CITRUS FRUITS	254.53	276.95
OTHER FRUITS AND NUTS	224.48	264.47
TOTAL HORTICULTURAL SPECIALTIES	263.13	280.35
ORNAMENTAL FLORAL & NURS PRD	261.41	279.95
FOOD CROPS GROWN UNDR COVER	310.98	282.88
GENERAL FARM PRIMARILY CROP	265.87	288.23
TOTAL AGRIC. PROD. LIVESTOCK	360.05	282.30
TOTAL AGRICULTURAL SERVICES	222.10	228.48
CROP SERVICES	254.04	274.76
CROP HARVEST PRIM. MACHINE	262.40	303.36
CROP PREP. SERV. FOR MARKET	247.02	254.70
TOTAL FARM LABOR & MANAGEMENT	212.82	213.12
FARM LABOR CONTRACTORS	213.50	208.30
FARM MANAGEMENT SERVICES	209.20	287.28

TABLE 3-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS  
SOUTH COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	38.7	40.1
TOTAL AGRIC. PRODD. CROPS	40.3	42.5
VEGETABLES AND MELONS	38.6	41.4
TOTAL FRUIT AND TREE NUTS	37.9	39.1
BERRIES	35.2	35.7
GRAPES	46.3	40.7
CITRUS FRUITS	38.8	44.1
OTHER FRUITS AND NUTS	36.5	40.5
TOTAL HORTICULTURAL SPECIALTIES	42.1	45.0
ORNAMENTAL FLORAL & NURS PRD	42.3	45.3
FOOD CROPS GROWN UNDR COVER	36.5	36.5
GENERAL FARM PRIMARILY CROP	38.2	42.2
TOTAL AGRIC. PRODD. LIVESTOCK	56.7	43.7
TOTAL AGRICULTURAL SERVICES	33.1	34.0
CROP SERVICES	36.5	36.2
CROP HARVEST PRIM. MACHINE	34.3	38.4
CROP PREP. SERV. FOR MARKET	38.9	34.7
TOTAL FARM LABOR & MANAGEMENT	32.1	33.3
FARM LABOR CONTRACTORS	32.3	32.7
FARM MANAGEMENT SERVICES	30.1	42.0

TABLE 3-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS  
SOUTH COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	6.49	6.53
TOTAL AGRIC. PROD. CROPS	6.41	6.47
VEGETABLES AND MELONS	7.10	7.09
TOTAL FRUIT AND TREE NUTS	6.07	6.23
BERRIES	5.47	5.98
GRAPES	6.61	6.27
CITRUS FRUITS	6.56	6.28
OTHER FRUITS AND NUTS	6.15	6.53
TOTAL HORTICULTURAL SPECIALTIES	6.25	6.23
ORNAMENTAL FLORAL & NURS PRD	6.18	6.18
FOOD CROPS GROWN UNDR COVER	8.52	7.75
GENERAL FARM PRIMARILY CROP	6.96	6.83
TOTAL AGRIC. PROD. LIVESTOCK	6.35	6.46
TOTAL AGRICULTURAL SERVICES	6.71	6.72
CROP SERVICES	6.96	7.59
CROP HARVEST PRIM. MACHINE	7.65	7.90
CROP PREP. SERV. FOR MARKET	6.35	7.34
TOTAL FARM LABOR & MANAGEMENT	6.63	6.40
FARM LABOR CONTRACTORS	6.61	6.37
FARM MANAGEMENT SERVICES	6.95	6.84

TABLE 4-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS  
CENTRAL COAST REGION  
(IN THOUSANDS)

INDUSTRY	JAN 1991	DEC 1990	JAN 1990
TOTAL AGRICULTURAL	31.8	40.3	30.4
TOTAL AGRIC. PROD. CROPS	18.3	24.0	18.2
VEGETABLES AND MELONS	4.3	6.8	4.5
TOTAL FRUIT AND TREE NUTS	4.2	5.4	4.0
BERRIES	1.2	2.4	1.2
GRAPES	1.4	1.3	1.5
DECIDUOUS TREE FRUIT	1.0	1.0	0.8
OTHER FRUITS AND NUTS	0.6	0.7	0.5
TOTAL HORTICULTURAL SPECIALTIES	8.5	9.7	8.5
ORNAMENTAL FLORAL & NURS PRD	6.4	7.6	6.5
FOOD CROPS GROWN UNDR COVER	2.1	2.1	2.0
GENERAL FARM PRIMARILY CROP	1.3	2.1	1.2
TOTAL AGRIC. PROD. LIVESTOCK	1.2	1.3	1.2
TOTAL AGRICULTURAL SERVICES	12.3	15.0	11.0
CROP SERVICES	7.8	8.6	7.0
CROP HARVEST PRIM. MACHINE	2.8	3.1	2.2
CROP PREP. SERV. FOR MARKET	5.0	5.5	4.8
TOTAL FARM LABOR & MANAGEMENT	4.5	6.4	4.0
FARM LABOR CONTRACTORS	4.0	6.2	3.4
FARM MANAGEMENT SERVICES	0.5	0.2	0.6

TABLE 4-B  
AGRICULTURAL PRODUCTION WORKERS  
CENTRAL COAST REGION  
(IN THOUSANDS)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	27.1	35.2
TOTAL AGRIC. PROD. CROPS	15.2	20.5
VEGETABLES AND MELONS	3.6	5.8
TOTAL FRUIT AND TREE NUTS	3.6	4.7
BERRIES	1.0	2.2
GRAPES	1.2	1.0
DECIDUOUS TREE FRUIT	0.8	0.8
OTHER FRUITS AND NUTS	0.6	0.7
TOTAL HORTICULTURAL SPECIALTIES	6.8	8.1
ORNAMENTAL FLORAL & NURS PRD	5.0	6.2
FOOD CROPS GROWN UNDR COVER	1.8	1.9
GENERAL FARM PRIMARILY CROP	1.2	1.9
TOTAL AGRIC. PROD. LIVESTOCK	0.9	1.1
TOTAL AGRICULTURAL SERVICES	11.0	13.6
CROP SERVICES	6.7	7.4
CROP HARVEST PRIM. MACHINE	2.5	2.8
CROP PREP. SERV. FOR MARKET	4.2	4.6
TOTAL FARM LABOR & MANAGEMENT	4.3	6.2
FARM LABOR CONTRACTORS	3.9	6.0
FARM MANAGEMENT SERVICES	0.4	0.2

TABLE 4-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS  
CENTRAL COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	269.33	273.94
TOTAL AGRIC. PROD. CROPS	285.60	298.92
VEGETABLES AND MELONS	284.14	343.83
TOTAL FRUIT AND TREE NUTS	271.87	232.88
BERRIES	219.78	183.87
GRAPES	342.27	320.97
DECIDUOUS TREE FRUIT	213.93	252.44
OTHER FRUITS AND NUTS	305.14	246.42
TOTAL HORTICULTURAL SPECIALTIES	297.97	309.56
ORNAMENTAL FLORAL & NURS PRD	269.58	285.32
FOOD CROPS GROWN UNDR COVER	374.07	389.13
GENERAL FARM PRIMARILY CROP	261.80	283.47
TOTAL AGRIC. PROD. LIVESTOCK	423.75	343.07
TOTAL AGRICULTURAL SERVICES	234.86	230.76
CROP SERVICES	240.85	241.65
CROP HARVEST PRIM. MACHINE	192.19	234.05
CROP PREP. SERV. FOR MARKET	249.80	246.21
TOTAL FARM LABOR & MANAGEMENT	225.71	217.00
FARM LABOR CONTRACTORS	205.90	213.06
FARM MANAGEMENT SERVICES	397.16	340.09



TABLE 4-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS  
CENTRAL COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	37.2	38.1
TOTAL AGRIC. PROD. CROPS	40.8	42.4
VEGETABLES AND MELONS	42.6	47.1
TOTAL FRUIT AND TREE NUTS	38.4	33.8
BERRIES	33.2	27.0
GRAPES	42.1	42.4
DECIDUOUS TREE FRUIT	37.4	43.6
OTHER FRUITS AND NUTS	41.8	32.9
TOTAL HORTICULTURAL SPECIALTIES	41.5	43.6
ORNAMENTAL FLORAL & NURS PRD	40.6	43.1
FOOD CROPS GROWN UNDR COVER	43.7	45.3
GENERAL FARM PRIMARILY CROP	38.9	44.5
TOTAL AGRIC. PROD. LIVESTOCK	56.5	45.2
TOTAL AGRICULTURAL SERVICES	30.7	31.1
CROP SERVICES	31.9	31.1
CROP HARVEST PRIM. MACHINE	28.9	31.8
CROP PREP. SERV. FOR MARKET	31.5	30.7
TOTAL FARM LABOR & MANAGEMENT	28.9	31.0
FARM LABOR CONTRACTORS	27.2	30.7
FARM MANAGEMENT SERVICES	43.5	40.2

TABLE 4-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS  
CENTRAL COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	7.24	7.19
TOTAL AGRIC. PROD. CROPS	7.00	7.05
VEGETABLES AND MELONS	6.67	7.30
TOTAL FRUIT AND TREE NUTS	7.08	6.89
BERRIES	6.62	6.81
GRAPES	8.13	7.57
DECIDUOUS TREE FRUIT	5.72	5.79
OTHER FRUITS AND NUTS	7.30	7.49
TOTAL HORTICULTURAL SPECIALTIES	7.18	7.10
ORNAMENTAL FLORAL & NURS PRD	6.64	6.62
FOOD CROPS GROWN UNDR COVER	8.56	8.59
GENERAL FARM PRIMARILY CROP	6.73	6.37
TOTAL AGRIC. PROD. LIVESTOCK	7.50	7.59
TOTAL AGRICULTURAL SERVICES	7.65	7.42
CROP SERVICES	7.55	7.77
CROP HARVEST PRIM. MACHINE	6.65	7.36
CROP PREP. SERV. FOR MARKET	7.93	8.02
TOTAL FARM LABOR & MANAGEMENT	7.81	7.00
FARM LABOR CONTRACTORS	7.57	6.94
FARM MANAGEMENT SERVICES	9.13	8.46

TABLE 5-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS  
DESERT REGION  
(IN THOUSANDS)

INDUSTRY	JAN 1991	DEC 1990	JAN 1990
TOTAL AGRICULTURAL	43.7	48.1	39.6
TOTAL AGRIC. PROD. CROPS	13.5	13.1	14.1
FIELD CROPS	1.5	1.6	1.5
VEGETABLES AND MELONS	3.0	2.7	4.3
TOTAL FRUIT AND TREE NUTS	4.7	4.2	3.5
GRAPES	2.5	1.6	1.7
CITRUS FRUITS	0.7	0.7	1.0
OTHER FRUITS AND NUTS	1.5	1.9	0.8
HORTICULTURAL SPECIALTIES	1.2	1.3	0.9
GENERAL FARM PRIMARILY CROP	3.1	3.3	3.9
TOTAL AGRIC. PROD. LIVESTOCK	5.9	5.8	5.2
DAIRY FARMS	2.4	2.5	2.3
CHICKEN EGGS	1.7	1.5	1.4
OTHER LIVESTOCK	1.8	1.8	1.5
TOTAL AGRICULTURAL SERVICES	24.3	29.2	20.3
CROP SERVICES	9.3	8.1	7.0
CROP PLANT-CULT-PROTECTION	0.6	0.9	0.6
CROP HARVEST PRIM. MACHINE	1.7	1.5	1.1
CROP PREP. SERV. FOR MARKET	7.0	5.7	5.3
TOTAL FARM LABOR & MANAGEMENT	15.0	21.1	13.3

TABLE 5-B  
AGRICULTURAL PRODUCTION WORKERS  
(IN THOUSANDS)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	39.3	42.0
TOTAL AGRIC. PROD. CROPS	12.1	11.1
FIELD CROPS	1.2	1.3
VEGETABLES AND MELONS	2.9	2.6
TOTAL FRUIT AND TREE NUTS	4.4	3.4
GRAPES	2.3	1.3
CITRUS FRUITS	0.7	0.5
OTHER FRUITS AND NUTS	1.4	1.6
HORTICULTURAL SPECIALTIES	1.0	1.1
GENERAL FARM PRIMARILY CROP	2.6	2.7
TOTAL AGRIC. PROD. LIVESTOCK	4.7	4.9
DAIRY FARMS	2.3	2.4
CHICKEN EGGS	1.0	1.1
OTHER LIVESTOCK	1.4	1.4
TOTAL AGRICULTURAL SERVICES	22.5	26.0
CROP SERVICES	8.5	6.6
CROP PLANT-CULT-PROTECTION	0.5	0.9
CROP HARVEST PRIM. MACHINE	1.5	1.2
CROP PREP. SERV. FOR MARKET	6.5	4.5
TOTAL FARM LABOR & MANAGEMENT	14.0	19.4

TABLE 5-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS  
DESERT REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	217.30	213.09
TOTAL AGRIC. PROD. CROPS	229.71	248.47
FIELD CROPS	255.59	324.16
VEGETABLES AND MELONS	216.78	247.91
TOTAL FRUIT AND TREE NUTS	202.21	213.66
GRAPES	180.31	179.60
CITRUS FRUITS	234.72	299.92
OTHER FRUITS AND NUTS	221.57	213.38
HORTICULTURAL SPECIALTIES	243.75	281.88
GENERAL FARM PRIMARILY CROP	239.57	244.02
TOTAL AGRIC. PROD. LIVESTOCK	413.17	415.30
DAIRY FARMS	486.19	528.76
CHICKEN EGGS	250.84	250.26
OTHER LIVESTOCK	337.71	356.53
TOTAL AGRICULTURAL SERVICES	169.86	158.98
CROP SERVICES	235.22	224.85
CROP PLANT-CULT-PROTECTION	232.97	229.62
CROP HARVEST PRIM. MACHINE	192.38	203.06
CROP PREP. SERV. FOR MARKET	244.97	230.14
TOTAL FARM LABOR & MANAGEMENT	130.03	136.88

TABLE 5-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS  
DESERT REGION  
(IN HOURS PER WEEK)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	33.9	33.4
TOTAL AGRIC. PROD. CROPS	39.2	40.8
FIELD CROPS	41.9	48.6
VEGETABLES AND MELONS	38.3	43.8
TOTAL FRUIT AND TREE NUTS	36.9	35.2
GRAPES	37.1	30.7
CITRUS FRUITS	33.2	38.5
OTHER FRUITS AND NUTS	38.4	37.9
HORTICULTURAL SPECIALTIES	39.0	40.5
GENERAL FARM PRIMARILY CROP	37.2	41.5
TOTAL AGRIC. PROD. LIVESTOCK	49.6	50.4
DAIRY FARMS	47.9	53.9
CHICKEN EGGS	43.7	43.0
OTHER LIVESTOCK	47.1	50.5
TOTAL AGRICULTURAL SERVICES	27.8	26.9
CROP SERVICES	38.0	36.8
CROP PLANT-CULT-PROTECTION	38.7	43.0
CROP HARVEST PRIM. MACHINE	34.6	34.3
CROP PREP. SERV. FOR MARKET	38.7	36.3
TOTAL FARM LABOR & MANAGEMENT	21.6	23.6

TABLE 5-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS  
DESERT REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	6.41	6.38
TOTAL AGRIC. PROD. CROPS	5.86	6.09
FIELD CROPS	6.10	6.67
VEGETABLES AND MELONS	5.66	5.66
TOTAL FRUIT AND TREE NUTS	5.48	6.07
GRAPES	4.86	5.85
CITRUS FRUITS	7.07	7.79
OTHER FRUITS AND NUTS	5.77	5.63
HORTICULTURAL SPECIALTIES	6.25	6.96
GENERAL FARM PRIMARILY CROP	6.44	5.88
TOTAL AGRIC. PROD. LIVESTOCK	8.33	8.24
DAIRY FARMS	10.15	9.81
CHICKEN EGGS	5.74	5.82
OTHER LIVESTOCK	7.17	7.06
TOTAL AGRICULTURAL SERVICES	6.11	5.91
CROP SERVICES	6.19	6.11
CROP PLANT-CULT-PROTECTION	6.02	5.34
CROP HARVEST PRIM. MACHINE	5.56	5.92
CROP PREP. SERV. FOR MARKET	6.33	6.34
TOTAL FARM LABOR & MANAGEMENT	6.02	5.80

TABLE 6-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS  
SACRAMENTO VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	JAN 1991	DEC 1990	JAN 1990
TOTAL AGRICULTURAL	20.7	24.2	18.1
TOTAL AGRIC. PROD. CROPS	14.7	17.4	12.8
RICE	1.0	1.3	0.8
VEGETABLES AND MELONS	0.5	0.9	0.5
TOTAL FRUIT AND TREE NUTS	6.6	7.6	5.6
TREE NUTS	1.7	2.4	1.5
DECIDUOUS TREE FRUIT	2.6	3.0	2.4
OTHER FRUITS AND NUTS	2.3	2.2	1.7
HORTICULTURAL SPECIALTIES	3.1	3.1	2.6
GENERAL FARM PRIMARILY CROP	3.5	4.5	3.3
TOTAL AGRIC. PROD. LIVESTOCK	1.8	2.0	1.9
TOTAL AGRICULTURAL SERVICES	4.2	4.8	3.4
CROP SERVICES	1.9	2.1	1.7
CROP HARVEST PRIM. MACHINE	0.5	0.6	0.6
CROP PREP. SERV. FOR MARKET	1.4	1.5	1.1
TOTAL FARM LABOR & MANAGEMENT	2.3	2.7	1.7



TABLE 6-B  
AGRICULTURAL PRODUCTION WORKERS  
SACRAMENTO VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	18.5	21.4
TOTAL AGRIC. PROD. CROPS	13.3	15.6
RICE	0.8	1.1
VEGETABLES AND MELONS	0.5	0.8
TOTAL FRUIT AND TREE NUTS	6.1	7.0
TREE NUTS	1.6	2.2
DECIDUOUS TREE FRUIT	2.5	2.9
OTHER FRUITS AND NUTS	2.0	1.9
HORTICULTURAL SPECIALTIES	2.9	2.8
GENERAL FARM PRIMARILY CROP	3.0	3.9
TOTAL AGRIC. PROD. LIVESTOCK	1.7	1.8
TOTAL AGRICULTURAL SERVICES	3.5	4.0
CROP SERVICES	1.5	1.6
CROP HARVEST PRIM. MACHINE	0.3	0.3
CROP PREP. SERV. FOR MARKET	1.2	1.3
TOTAL FARM LABOR & MANAGEMENT	2.0	2.4

TABLE 6-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS  
SACRAMENTO VALLEY REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	249.77	266.24
TOTAL AGRIC. PROD. CROPS	248.67	254.20
RICE	380.42	352.59
VEGETABLES AND MELONS	283.55	256.80
TOTAL FRUIT AND TREE NUTS	226.20	240.17
TREE NUTS	230.54	230.68
DECIDUOUS TREE FRUIT	224.37	236.41
OTHER FRUITS AND NUTS	226.04	257.71
HORTICULTURAL SPECIALTIES	237.62	229.71
GENERAL FARM PRIMARILY CROP	249.42	268.51
TOTAL AGRIC. PROD. LIVESTOCK	341.54	311.19
TOTAL AGRICULTURAL SERVICES	211.30	293.05
CROP SERVICES	187.58	177.48
CROP HARVEST PRIM. MACHINE	120.74	116.34
CROP PREP. SERV. FOR MARKET	194.68	192.82
TOTAL FARM LABOR & MANAGEMENT	229.08	370.46

TABLE 6-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS  
SACRAMENTO VALLEY REGION  
(IN HOURS PER WEEK)

INDUSTRY	JAN 1991	DEC JAN 1990
TOTAL AGRICULTURAL	39.9	41.6
TOTAL AGRIC. PROD. CROPS	40.5	41.0
RICE	48.4	48.3
VEGETABLES AND MELONS	35.4	31.9
TOTAL FRUIT AND TREE NUTS	38.8	40.5
TREE NUTS	42.3	40.9
DECIDUOUS TREE FRUIT	37.9	39.6
OTHER FRUITS AND NUTS	37.3	41.7
HORTICULTURAL SPECIALTIES	38.7	39.0
GENERAL FARM PRIMARILY CROP	41.5	43.1
TOTAL AGRIC. PROD. LIVESTOCK	45.6	41.0
TOTAL AGRICULTURAL SERVICES	35.1	44.2
CROP SERVICES	30.6	29.0
CROP HARVEST PRIM. MACHINE	19.6	21.0
CROP PREP. SERV. FOR MARKET	31.4	31.0
TOTAL FARM LABOR & MANAGEMENT	38.5	54.4

TABLE 6-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS  
SACRAMENTO VALLEY REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	6.26	6.40
TOTAL AGRIC. PROD. CROPS	6.14	6.20
RICE	7.86	7.30
VEGETABLES AND MELONS	8.01	8.05
TOTAL FRUIT AND TREE NUTS	5.83	5.93
TREE NUTS	5.45	5.64
DECIDUOUS TREE FRUIT	5.92	5.97
OTHER FRUITS AND NUTS	6.06	6.18
HORTICULTURAL SPECIALTIES	6.14	5.89
GENERAL FARM PRIMARILY CROP	6.01	6.23
TOTAL AGRIC. PROD. LIVESTOCK	7.49	7.59
TOTAL AGRICULTURAL SERVICES	6.02	6.63
CROP SERVICES	6.13	6.12
CROP HARVEST PRIM. MACHINE	6.16	5.54
CROP PREP. SERV. FOR MARKET	6.20	6.22
TOTAL FARM LABOR & MANAGEMENT	5.95	6.81

TABLE 7-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS  
NORTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	JAN 1991	DEC 1990	JAN 1990
TOTAL AGRICULTURAL	10.6	10.5	10.6
TOTAL AGRIC. PROD. CROPS	7.6	7.4	7.5
TOTAL FRUIT AND TREE NUTS	5.9	5.6	5.9
GRAPES	4.7	4.4	4.8
OTHER FRUITS AND NUTS	1.2	1.2	1.1
TOTAL HORTICULTURAL SPECIALTIES	1.4	1.4	1.3
GENERAL FARM PRIMARILY CROP <u>1/</u>	0.3	0.4	0.3
TOTAL AGRIC. PROD. LIVESTOCK	1.9	2.1	1.9
TOTAL AGRICULTURAL SERVICES	1.1	1.0	1.2

1/ INSUFFICIENT SAMPLE TO SUPPORT PRODUCTION WORKER, OR HOURS AND EARNINGS ESTIMATES.

TABLE 7-B  
 AGRICULTURAL PRODUCTION WORKERS  
 NORTH COAST REGION  
 (IN THOUSANDS)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	8.6	7.7
TOTAL AGRIC. PROD. CROPS	6.1	5.3
TOTAL FRUIT AND TREE NUTS	4.6	3.9
GRAPES	3.5	2.9
OTHER FRUITS AND NUTS	1.1	1.0
TOTAL HORTICULTURAL SPECIALTIES	1.2	1.1
TOTAL AGRIC. PROD. LIVESTOCK	1.5	1.6
TOTAL AGRICULTURAL SERVICES	1.0	0.8

TABLE 7-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS  
NORTH COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	313.38	293.29
TOTAL AGRIC. PROD. CROPS	290.05	277.01
TOTAL FRUIT AND TREE NUTS	299.48	294.20
GRAPES	311.41	313.17
OTHER FRUITS AND NUTS	259.33	241.11
TOTAL HORTICULTURAL SPECIALTIES	275.84	237.77
TOTAL AGRIC. PROD. LIVESTOCK	311.89	344.38
TOTAL AGRICULTURAL SERVICES	460.31	294.81

TABLE 7-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS  
NORTH COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	44.2	42.2
TOTAL AGRIC. PROD. CROPS	41.2	39.8
TOTAL FRUIT AND TREE NUTS	42.6	42.7
GRAPES	41.8	42.9
OTHER FRUITS AND NUTS	45.1	42.3
TOTAL HORTICULTURAL SPECIALTIES	38.1	31.0
TOTAL AGRIC. PROD. LIVESTOCK	47.4	51.4
TOTAL AGRICULTURAL SERVICES	57.9	39.1



TABLE 7-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS  
NORTH COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	JAN 1991	DEC 1990
TOTAL AGRICULTURAL	7.09	6.95
TOTAL AGRIC. PROD. CROPS	7.04	6.96
TOTAL FRUIT AND TREE NUTS	7.03	6.89
GRAPES	7.45	7.30
OTHER FRUITS AND NUTS	5.75	5.70
TOTAL HORTICULTURAL SPECIALTIES	7.24	7.67
TOTAL AGRIC. PROD. LIVESTOCK	6.58	6.70
TOTAL AGRICULTURAL SERVICES	7.95	7.54